

ProBG3000

High Performance and High
Speed Barrier Gate



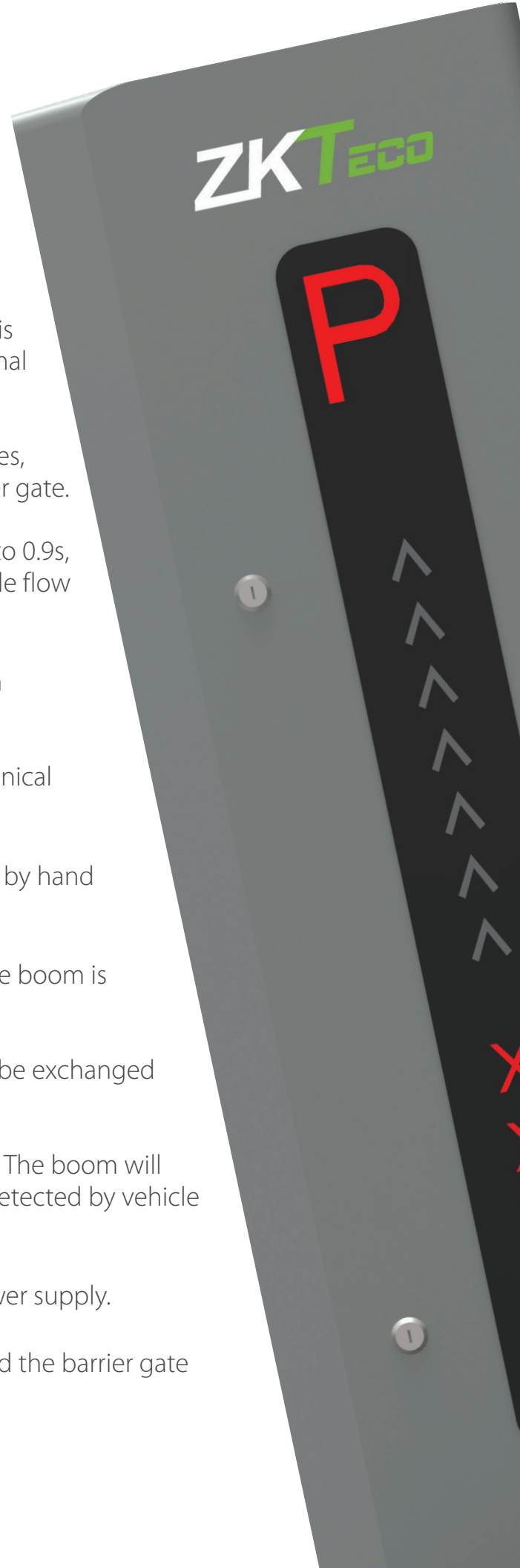
High reliability, long life, high speed and steady, maintenance-free, high safety

The ProBG3000 series is a high performance and high speed barrier gate. It adopts high performance servo motor, simple and reliable transmission structure, high temperature resistant control panel, humanized interactive appearance design and anti-collision protection's boom connector design.



Features

- Humanized interactive appearance design. The chassis is standard for LED indicator light, and the boom is optional for LED light strip.
- The average failure-free operation is up to 5 million times, and life is more than 10 times than the traditional barrier gate.
- The opening / closing speed of boom is fast, and is up to 0.9s, and you can adjust the speed from 0.9s-8s by the vehicle flow and required boom length.
- Good temperature resistance. Support -40°C — $+75^{\circ}\text{C}$ in the outdoors.
- High reliability. Abrasion is small, and there is no mechanical impact or shock absorption during the movement.
- The boom will be lifted or unlocked (can be pushed up by hand directly) when power is cut off.
- High safety, encountering block to return / stop, and the boom is standard for anticollision rubber strip.
- Switch boom installation direction is simple, and it can be exchanged around the project site.
- Fleet mode, and the boom lifting times record function. The boom will keep open until the sensing times of vehicles passing detected by vehicle detector is equal to the times of boom lifting.
- Support 110v-240v wide range AC and 24v battery power supply.
- Low power consumption and energy saving design, and the barrier gate can save 500 degree electricity a year.

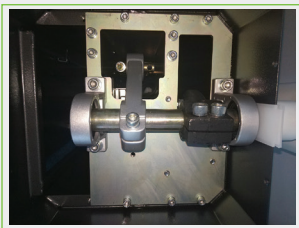


DETAIL DESCRIPTION



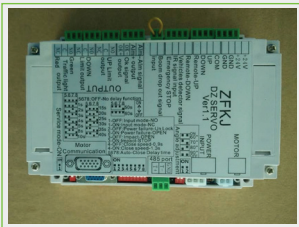
DC 24V Servo Motor

- With planetary gear reducer and PID closed loop control;
- No noise
- No oil leaking
- Maintenance-free, mechanical life is very long;
- High transmission efficiency, control precision;
- Low motor heating, and no trigger heating protection under continuous working conditions.



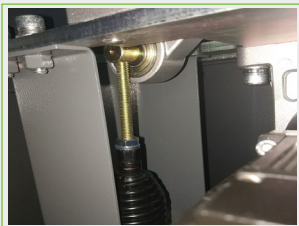
Transmission Structure

- Efficient and concise mechanical transmission structure, and failure rate is very low;
- Keyless design, and avoid abrasion troubles between keyway and key;
- The spindle base adopts ductile iron technology, more durable;



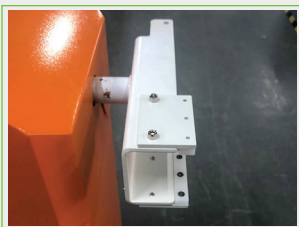
Control Panel

- Using digital chip technology;
- Extreme working temperature is up to 125°C;
- Fault self inspection, fault warning function of control panel electronic devices;



Balancing Spring

- High durable;
- With user-friendly structural design, easy and convenient for adjusting spring tension;



Boom Connector

- Anti-collision protection function;
- When the vehicle hit the boom, the boom can fall off to avoid damaging the vehicle and the barrier gate;



Optional for LED light strip, and the color can switch according to the barrier gate's state

With anti-smash rubber strip, and can protect vehicle from damage

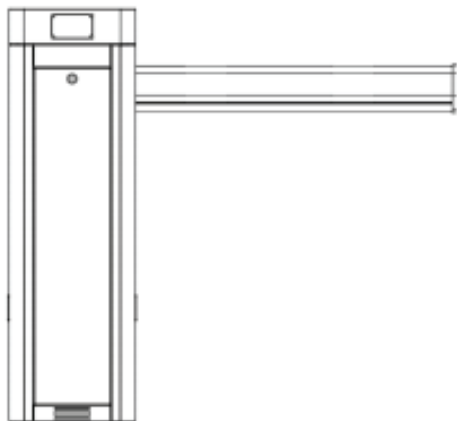
Built-in LED indicator light, and the color and state can switch according to the barrier gate's state

Specification

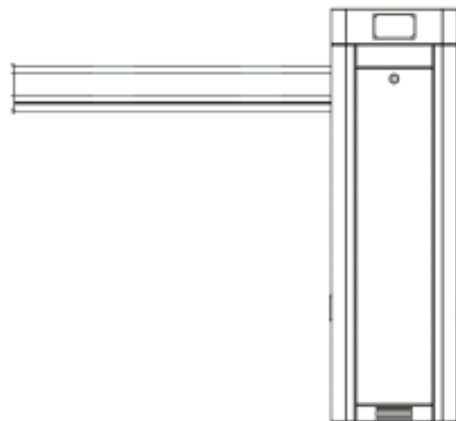
Model	ProBG3000	ProBG3100
Motor Type	Servo motor	
Boom Type	Straight boom	90°Folding boom
Boom Length	Support 3m/4.5m/6m(Can be adjusted)	3m
Protection Level	IP 65	
Operating Temperature	-40°C~+75°C	
Power Supply	24V DC, AC 100~240V	
Frequency	50-60Hz	
Power Consumption	100W	
Case Material	Powder coated steel	
Case Size	360*330*1000mm	
Net Weight	43kg	

Model	Boom Length (meters)	Operation Times (s)	Boom with LED	L / R
ProBG3000L	3m/4.5m/6m	0.9s/2.5s/4.5s	Y/ N	L
ProBG3000R	3m/4.5m/6m	0.9s/2.5s/4.5s	Y/ N	R
ProBG3100L	3m	1s	Y/ N	L
ProBG3100R	3m	1s	Y/ N	R

NOTE:



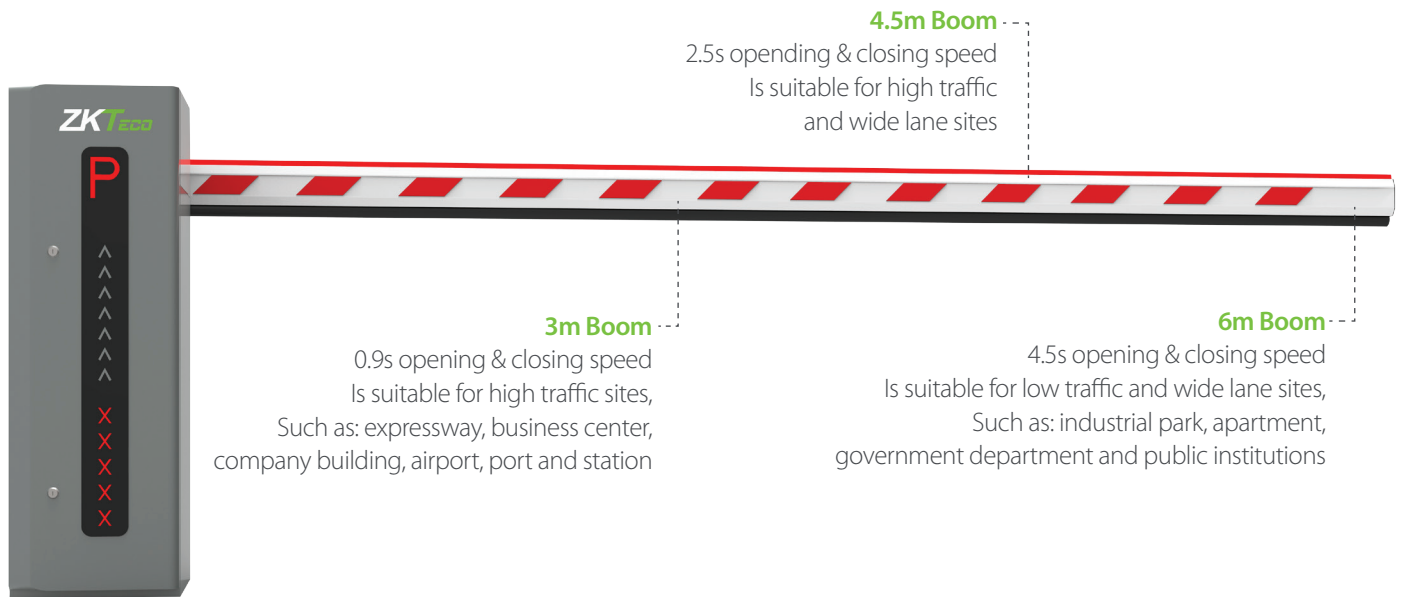
L: Case on the left side,
and boom on the right side



R: Case on the right side,
and boom on the left side

Application

ProBG3000 Series



ProBG3100 Series



System Products



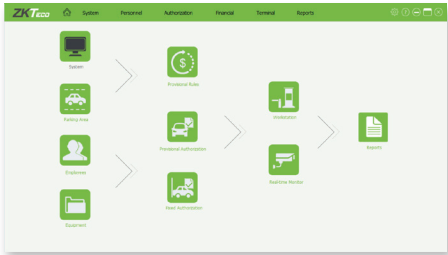
UHF Products



Bluetooth Products



LPR Products



ZKParking & ZKBioSecurity

